

Date: Wed, 27 Jan 93 20:29:04 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #121
To: Info-Hams

Info-Hams Digest Wed, 27 Jan 93 Volume 93 : Issue 121

Today's Topics:

2m/70cm antenna
Coaxial Dipole Construction (HELP!)
Endurance
Finding PL Tones and McDonald's
Ham on Rescue 911
Hardy Boys (was:Ham Radio in Media (was: Marge Simp...))
Icom W21AT?
I love/hate Wayne Green!
Larsen "kulduckie" w/ HT - is it worth it?
My call sign : (
Notebook PC at CW Exam?
Rec.radio.info now available by mail
Scanner M0dification
Stop the bickering, please...
Transmitting 50-178 & 300-512? (2 msgs)
Using electrical outlet ground as earth ground?????
using glass mount antennas
voyager and other vehicles that make noise

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 26 Jan 1993 22:21:28 GMT
From: saimiri.primate.wisc.edu!sdd.hp.com!ncr-sd!ncrcae!ncrhub2!ncrgw2!psinntp!
balltown!perley@ames.arpa
Subject: 2m/70cm antenna
To: info-hams@ucsd.edu

In article <1993Jan22.001411.2445@sserve.cc.adfa.oz.au> pgc@csadfa.cs.adfa.oz.au (Phil Clark) writes:

>From article <3064@eram.esi.COM.AU>, by dave@eram.esi.COM.AU (Dave Horsfall):
>> Such a design appeared in "73" last year, called the "Copper Cactus." It
>> was made from copper pipe, and apparently worked on 70cm (but not as well
>> as one would hope).

The copper cactus had separate transformers and feeds for the 2 bands.
I think the first guy was just using a regular 2 meter j-pole on both
bands.

I have been doing the same with a twinlead j-pole for years. It's
not that surprizing that it works, since the 70cm FM band is on the
3rd harmonic of the 2 meter FM band. The radiation angle may be
higher on 440 (or lower if you feed it upside down :-).

-don perley - ke2tp

--

perley@balltown.cma.com

Date: 27 Jan 93 21:41:31 GMT
From: news.service.uci.edu!ucivax!news.claremont.edu!bridge2!alantec!irvin!
newman@network.UCSD.EDU
Subject: Coaxial Dipole Construction (HELP!)
To: info-hams@ucsd.edu

mgustof@hfglobe.intel.com (Mark Gustoff) writes:

>Some years ago I cut and article out of one
>of the Ham magazines on Coaxial Dipole
>construction. I don't remember what magazine,
>and I don't even know what year, but I wish
>to build one of these antennas for 28.4 mHz,
>and I have no idea what dimensions the
>coaxial section should be as opposed to the
>wire ends. The antenna looked something like
>this when completed:

I seem to recall that this design provides for
increased bandwidth (ie. greater range of frequicencies
where the swr will be acceptable) but provide no
increase in gain. So unless wide bandwidth is

what you're looking for (ie. you want to cover ALL of 10meters!) then just go with a "regular" dipole. Some have argued that the increased BW must, of nessesity, come at the expense of gain.

Dave
KN6BX

Date: 26 Jan 93 20:00:27 GMT
From: sdd.hp.com!spool.mu.edu!agate!stanford.edu!apple!kchen@network.UCSD.EDU
Subject: Endurance
To: info-hams@ucsd.edu

oo7@emx.cc.utexas.edu (Q. Burpington-Smythe) writes:

>Are contrary opinions allowed? I thought it was a load of old rubbish :-)
>The only reason for calling it Endurance is that this is what it takes on
>the part of the reader to finish the thing. People must like these QST
>stories, they publish them so often, but I find them a real waste of paper.

I, too, thought it was a complete waste of pulp; but then, so are contest results in the QST. So, what the heck, live and let live.

And, afterall, the receiver front-end article in the February issue more than makes up for the incidental irritants.

73,

Kok Chen, AA6TY
Apple Computer, Inc.

kchen@apple.com

Date: Wed, 27 Jan 1993 03:48:06 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!news.uakron.edu!neoucom.edu!wtm@network.UCSD.EDU
Subject: Finding PL Tones and McDonald's
To: info-hams@ucsd.edu

I've noticed that McDonalds are usually keyed up just about continuously on 154.71. It'd be really irritating to be a next door neighbor to them! Thank goodness they are QRPP. I'm not sure exactly how those frequencies are coordinated. When we were working on getting permission to install a UHF repeater on our microwave tower at work, we had to deal with a person attached to

our state turnpike commission. I don't work for that department, so I don't know the exact process. So far, we're still waiting for a frequency allocation. Our maint. people have a low power repeater on 464.7875/469.7875 that covers basically just the property on which our building sits. It'd be nice for us to be able to talk to our couriers from the tower. For now, we lease time on a commercial tower nearby for the courier mobiles; it is cheaper than cellular-- the ower leases time to many users on the same channel with assorted PL tones.

Our amateur repeater has an input on 146.295 on top of the tower at 313 feet, so it is nice not to have to compete with another uhf/vhf system for now.

73,
Bill

--
Bill Mayhew NEOUCOM Computer Services Department
Rootstown, OH 44272-9995 USA phone: 216-325-2511
wtm@uhura.neoucom.edu (140.220.1.1) 146.580: N8WED

Date: 27 Jan 93 19:15:30 GMT
From: news.acns.nwu.edu!zaphod.mps.ohio-state.edu!rphroy!caen!umeecs!umn.edu!
riverside.mr.net!noc.msc.net!uc.msc.edu!raistlin!timbuk.cray.com!hemlock.cray.com!
cherry10!dadams@network.UCSD.EDU
Subject: Ham on Rescue 911
To: info-hams@ucsd.edu

In article 17u@spool.mu.edu, jason@studsys.mscs.mu.edu (Jason Hanson) writes:
|Did anyone see the ham from G-land on tonight's episode of Rescue 911? They
|showed him using CW and also showed a wall of QSL cards.
|--
|Jason Hanson | 915 W. Wisconsin Ave #1010 | (414) 288-2179
|Marquette University | Milwaukee, WI 53233-2373 | Ham Radio: N9LEA/AA
|-- jason@studsys.mscs.mu.edu ==+== n9lea@n0ary.#nocal.ca.usa.na --

Yep. I saw that.

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

Old Sourdoughs never die. They just ferment away.

Date: Wed, 27 Jan 1993 13:02:16 GMT
From: haven.umd.edu!darwin.sura.net!mlb.semi.harris.com!SU19F!jhobson@ames.arpa
Subject: Hardy Boys (was:Ham Radio in Media (was: Marge Simp...))
To: info-hams@ucsd.edu

In article <9301261505.AA16119@ucsd.edu>
William=E.=Newkirk%Pubs%GenAv.Mlb@ns14.cca.CR.rockwell.COM writes:
>>Don't forget the sitcom ALF. Willie was a radio amateur and that
>>factored into the plot of many episodes.
>
>believe it was shown that it was some cross between CB and Amateur. This
>differs from the Simpsons references that are to the point.

My son reads all kinds of books including Hardy Boys. When he was through
with it, I read _The Shortwave Mystery_. It has some partly realistic
ham radio activity in the plot. I was going to lookup the call signs used to
see if they belong to any "real" hams - - Wait!! I didn't mean that the way
it sounded!!! What I wonder is: Are the call signs used in the book
currently assigned to someones station?

Now, if I could just get my son interested in reading ham radio books, ...

Harv
WB4NPL

Date: 28 Jan 93 01:46:10 GMT
From: news-mail-gateway@ucsd.edu
Subject: Icom W21AT?
To: info-hams@ucsd.edu

Has anyone out there got info on the new Icom W21AT HT? It looks really
good, and I'm in the market for a dual-band HT....
Thanks, and 73's de N0PRQ

Date: 27 Jan 93 20:47:09 GMT
From: pa.dec.com!engage.pko.dec.com!nntpd.lkg.dec.com!otters.enet.dec.com!
j_otterson@decwrl.dec.com
Subject: I love/hate Wayne Green!
To: info-hams@ucsd.edu

I think Wayne Green should have been Ross Perot's running mate. B-)

But seriously, I *do* like 73 mag...

--

```
/-----\
| Jeff Otterson           | The opinions expressed here are |
| j_otterson@star.enet.dec.com | mine. Noone else should be held |
| Digital Equipment Corporation | responsible for my actions.      |
| 110 Spit Brook Rd. Nashua, NH | CENSORSHIP IS THE TOOL OF TYRANTS |
\-----/
```

Date: Wed, 27 Jan 1993 04:09:31 GMT
From: agate!usenet.ins.cwru.edu!neoucom.edu!wtm@ames.arpa
Subject: Larsen "kulduckie" w/ HT - is it worth it?
To: info-hams@ucsd.edu

I've got both the Larsen kulduckie and the RH-77B. The RH is definitely a better antenna as 2x the price, of course. The Larsen is a heck of a lot handier in close quarters. Both of the above are miles better than what comes with the DJ-580.

Another hint: try the Alni dual band telescoping antenna; its real nice, though not a rubber duck.

Bill

--

Bill Mayhew NEOUCOM Computer Services Department
Rootstown, OH 44272-9995 USA phone: 216-325-2511
wtm@uhura.neoucom.edu (140.220.1.1) 146.580: N8WED

Date: 27 Jan 93 09:07:17 -0500
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!yale.edu!
newsserver.jvnc.net!darwin.sura.net!guvax.acc.georgetown.edu!
roakley@network.UCSD.EDU
Subject: My call sign : (
To: info-hams@ucsd.edu

>

>>Hi all,

>
>>I passed my element 2 and 3A on Dec 3, 1993. The problem is that I still
>>dont have a call sign.
>
>
> Yes, it's taking about 12 weeks these days, at least thats how
> long it took my two friends to get their calls, so dont be worried.
>

Based on the date you took the exam, your probably have a fairly long
wait yet, at least until sometime in 94...

73, (You'll probably get it in mid-February)

Bob
WK3C

Date: Wed, 27 Jan 1993 14:45:37 GMT
From: agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!rlong@ames.arpa
Subject: Notebook PC at CW Exam?
To: info-hams@ucsd.edu

The title tells it all. Is it allowed to use a word
processor in the form of a notebook PC to copy code
during a VEC administered exam?

Is it up to the individual VEC group to make their
own rule?

Thanks.

73
Ron W8GUS
rlong@magnus.acs.ohio-state.edu

Date: Tue, 26 Jan 1993 12:12:24 MST
From: agate!spool.mu.edu!howland.reston.ans.net!usc!sol.ctr.columbia.edu!
destroyer!cs.ubc.ca!unixg.ubc.ca!kakwa.ucs.ualberta.ca!ersys!adec23!ve6mgs!rec-
radio-info@ames.arpa
Subject: Rec.radio.info now available by mail
To: info-hams@ucsd.edu

If you would like to subscribe to a mailing list to receive the periodic information bulletins posted to the new newsgroup REC.RADIO.INFO, send a mail with a line

```
sub radio-info
```

```
to listserv@ucsd.edu
```

Please note that if you are on bitnet, one of the dozens of broken milnet hosts or a non-Unix host, or otherwise don't have a valid return address in your From: header line, you'd be better off specifying your address explicitly in the subscription request:

```
sub mymailbox@myhost.mydomain.mil radio-info
```

or

```
sub MEMEME01@DMBHST.bitnet radio-info
```

or something like that.

Please note that this is NOT a daily digest; the messages are too big to make it worthwhile. The moderated postings to the newsgroup will simply be mailed to you at a low priority throughout the day as they arrive at UCSD.

I do not plan to archive the postings to this group; we don't have the disk space for it.

Share and enjoy.

- Brian

--

```
- Postings to rec.radio.info:      rec-radio-info@ve6mgs.ampr.ab.ca
- rec.radio.info administrivia:    rec-radio-request@ve6mgs.ampr.ab.ca
```

Date: 26 Jan 93 11:37:04 GMT
From: usenet.coe.montana.edu!rpi!usc!howland.reston.ans.net!spool.mu.edu!hri.com!
noc.near.net!ceylon!genesis!burago@decwrl.dec.com
Subject: Scanner M0dification
To: info-hams@ucsd.edu

hello..

I recently purchased a Uniden Bearcat 200xlt scanner. It states that this scanner does not scan the cellular band. There is, however, a modify this..i've heard..is there anyone on this net..who would be able to explain to me how this is done..
many thanks in advance..

-Paul C.-

Date: 27 Jan 93 20:22:00 GMT
From: haven.umd.edu!darwin.sura.net!spool.mu.edu!torn!news.ccs.queensu.ca!venus!
pas@ames.arpa
Subject: Stop the bickering, please...
To: info-hams@ucsd.edu

In article <125.staggsd@walker-pcgw.army.mil>, staggsd@walker-pcgw.army.mil (1LT
David Staggs) writes:

|>
|> After reading all the messages about No Codes, I think it is interesting that
|> people would waste others time by writing such messages. The best thing to do
|> is to stop writing these messages. Who cares what type of license a fellow
|> ham has? You cannot please everyone all the time. And this discussion (or
|> bitterness) does no good. If some people think No Codes are scum of the
|> Earth, then fine. Life goes on. But please don't waste others time by
|> feeding the fire. It is talk like this that may convince others not to become
|> a ham. So, please. Enough is enough. I think others will thank you for it.
|> Regards,
|> Dave
|> KD6QKF/HL9ST (Korea)

Better yet, take it to rec.radio.amateur.policy where it belongs.

Peter

Date: 26 Jan 93 09:22:17 EST
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!howland.reston.ans.net!
usc!sdd.hp.com!ncr-sd!ncrcae!ncrhub2!ncrgw2!psinntp!arrl.org@network.UCSD.EDU
Subject: Transmitting 50-178 & 300-512?
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, jones@sj.ate.slb.com (Clark Jones) writes:
>Willie Smith (wpns@miki.pictel.com) wrote:
>: Can you even build a PLL that works over more than an octave without
>: resorting to esoteric tricks that are unlikely to be found in
>: commercially available radios?

A simple solution is to down convert an PLL oscillator and low pass
filter. For instance, a 1.1 to 1.2 GHz PLL can be mixed down to
cover almost DC to 100 MHz. I believe some very high quality sine wave
oscillators for audio use a similar technique.

Zack Lau KH6CP/1

Internet: zlau@arrl.org "Working" on 24 GHz SSB/CW gear
Operating Interests: 10 GHz CW/SSB/FM
US Mail: c/o ARRL Lab 80/40/20 CW
225 Main Street Station capability: QRP, 1.8 MHz to 10 GHz
Newington CT 06111 modes: CW/SSB/FM/packet
amtor/baudot
Phone (if you really have to): 203-666-1541

Date: 27 Jan 93 16:52:35 GMT
From: news.acns.nwu.edu!zaphod.mps.ohio-state.edu!rphroy!caen!uwm.edu!
spool.mu.edu!hri.com!noc.near.net!gateway!miki!wpns@network.UCSD.EDU
Subject: Transmitting 50-178 & 300-512?
To: info-hams@ucsd.edu

In article <1993Jan26.181740.2349@sj.ate.slb.com> jones@sj.ate.slb.com (Clark Jones) writes:

>BTW, there are several commercially available receivers that use PLLs for
>the LO and cover from ~0.1MHz to ~30MHz. That's >8 octaves...

I looked at the Motorola spec and realized that yes, you are correct,
though it resorts to tricks you don't generally see in VHF and UHF
rigs. Has anyone seen a transceiver at UHF or VHF that covers more
than an octave?

Willie Smith
wpns@pictel.com

--
Willie Smith wpns@pictel.com N1JBJ@amsat.org "I'll make
Beelyuns and Beelyuns from the book contract and the TV show with
government funding for looking for the nothing in the void where The
Bang caused the hole in the middle of it all" Frank Hayes - Cosmos.

Date: Wed, 27 Jan 1993 11:32:34 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!sol.ctr.columbia.edu!ira.uka.de!
math.fu-berlin.de!news.netmbx.de!Germany.EU.net!mcsun!news.funet.fi!hydra!klaava!
stickler@@elroy.jpl.nasa.gov
Subject: Using electrical outlet ground as earth ground?????
To: info-hams@ucsd.edu

Does the ground socket of an electrical outlet provide a good (or at
least reasonable) path to earth ground? I.e. would I be able to hook
up a three prong grounded plug with the two hot prongs removed in

order to connect my rig to earth ground via the electrical outlet?

```
////////////////////////////////////  
Patrick M. Stickler OH2LUV, KC4YYY The comments contained herein  
WSOY - Information Systems Division do not necessarily reflect the  
Helsinki, FINLAND (psti@wsoy.fi) official views of my employer.  
////////////////////////////////////
```

Date: Wed, 27 Jan 93 02:08:43 CST
From: dog.ee.lbl.gov!overload.lbl.gov!agate!netsys!pagesat!spssig.spss.com!
news.oc.com!utacfd.uta.edu!rwsys!ricksys!news@network.UCSD.EDU
Subject: using glass mount antennas
To: info-hams@ucsd.edu

shourbaji@wsuhub.uc.twsu.edu writes:

> A note about through the glass antennas:
>
> Take a look around next time you are driving and notice how many cell phone
> antennas there are. Most of them are glass mounts. If there was a flaw
> in the idea of using through the glass antennas, I don't think they would
> be that prominent.

Notice also how many of them have them installed on the rearwindow
defroster. I wonder how they ever get them tuned up. But then again if
they don't know enough to not mount them on the rearwindow defroster,
they probably don't know enough to tune the matchbox.

--

Internet: rick@ricksys.lonestar.org
If I bounce (the maps have errors that I have no control over) then use
bo836@cleveland.freenet.edu
BITNET: bo836@cleveland.freenet.edu@cunyvm

Date: 28 Jan 93 03:11:21 GMT
From: news-mail-gateway@ucsd.edu
Subject: voyager and other vehicles that make noise
To: info-hams@ucsd.edu

I notice that several people have written about rf interference from the cars
and trucks. I have tracked this to the anti-lock- brakes. You can tell if this
is the case by listening for pulsing on the signal. The slower you travel the
more noticeable this will be. I have not found that anything can be done about

the problem. The computer monitors the spin of the wheels and the pulsing tells the computer when there is a rapid change of rotation. I feel sure that fixing or modifying the system would be quite dangerous. We have a s10 and had the same problem on our full sized Chevy 2500 three quarter ton with ABS. In addition we noticed a problem traceable to the voltage regulator that hashed up the low bands. Changing this regulator offend fixes the problem, or you can just wait a few minutes or miles for the interference to shift away from your operating frequency.

73s

Date: Wed, 27 Jan 1993 14:42:20 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!uwm.edu!caen!
malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!ag821@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Jan27.032957.2738@uhura.neoucom.edu>,
<17955.85.uupcb@chaos.lrk.ar.us>, <1993Jan25.223358.21422@netcom.com>yfn.ysu.
Reply-To : ag821@yfn.ysu.edu (Jeff Gold)
Subject : Re: LICENSE DELAYS

In a previous article, wtm@uhura.neoucom.edu (Bill Mayhew) says:

>Here is an interesting observation: Some members of the local
>radio club finished a license course in mid-November 1992. Two men
>from the course took their no code tech exams just before
>Thanksgiving; they are still waiting for their tickets. A woman
>from the same class took a novice exam on December 12th and just
>got her KB8... call last Friday (about five weeks).

>
>It appears that the one remaining person processing applications on
>Tuesdays in Gettysburg must process X number of applications from
>each application category.

>
>My application was for an HF tech in the middle of September; it
>took the VEC+FCC about 12-1/2 weeks to process.

>
>Oh well, it is just some time to go shopping for your rig. Can't
>complain too much seeing as it sure didn't cost much to get my
>license. :-)

>
>73,
>Bill

>
>

>--

>Bill Mayhew NEOUCOM Computer Services Department
>Rootstown, OH 44272-9995 USA phone: 216-325-2511
>wtm@uhura.neoucom.edu (140.220.1.1) 146.580: N8WED
>

I believe there might be another explanation. Any testing that is above Novice gets processed by the VEC then forwarded to the FCC. The Novice licenses go straight through. At least this is what i have been told. It use to be that the Novice wait was approx. 4 weeks and the tech 8 weeks. a Four week diff. would be common.

73s

Jeff, AC4HF

--

Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

Date: 26 Jan 1993 22:00:21 -0600
From: sun-barr!cs.utexas.edu!not-for-mail@ames.arpa
To: info-hams@ucsd.edu

References 17955.85.uupcb@chaos.lrk.ar.us>, <1993Jan25.223358.21422@netcom.com>,
<1993Jan27.032957.2738@uhura.neoucom.edu
Subject : Re: LICENSE DELAYS

Same in these parts (NW Ark.). Novice 5-6 weeks, Tech 8-10-12 weeks.

Now, is it the League (ARRL VEC in this area) holding them up on purpose, or does the FCC have a "quota" system?

I *have* noticed that the League has trouble dealing with the Tech explosion, ie. a statement in the latest Handbook (or was it a mailer?) commenting on the recent jump in numbers of new hams and how it *may*, MAY be due to the new codeless ticket.

Sheesh. What do we have to do? Beat them over the head with a key?

(PS- Yes I pay my dues, and Yes, overall the League does a good job. Especially the new booklet they mail to new hams--Excellent!)

Peter Laws|GEnie:P.LAWS1| "Finally: one of our guys is |plaws@uafhp.uark.edu
n5uwy@ka5bml.ar.usa.noam| driving the car"--Dennis Miller|plaws@uafsysb.bitnet

End of Info-Hams Digest V93 #121
